

POLY(TRIMETHYLENE TEREPHTHALATE) FIBER

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Cited Documents:

Abstract

According to the present invention, polytrimethylene terephthalate fiber is provided, which is high in toughness, uniform in fiber size and excellent in dyeing uniformity, whereby it is extremely suitable for a clothing use. Polytrimethylene terephthalate fiber according to the present invention can be produced by a two-step method consisting of a low speed spinning process and a drawing process, wherein the winding condition of undrawn fiber, the atmospheric condition under which the undrawn fiber is retained and the time for retaining the undrawn fiber are set to a specific range so that the shrinkage of undrawn fiber with time and the transformation of the undrawn package caused thereby are minimized. Thus, the unwinding tension of the undrawn fiber is maintained constant whereby the drawing is favorably carried out to result in a high

quality polytrimethylene terephthalate fiber. 

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